

AMENDMENTS TO THE CLAIMS

1 - 39. (Canceled)

40. (Currently Amended) A composition, comprising milk derived from a transgenic mammal and a recombinant transgenic human prothrombin protein, said protein polypeptide having a concentration of at least 1.5 [[0.5]] mg/ml wherein said polypeptide comprises a completely γ -carboxylated Gla domain and a first amino acid sequence, wherein said first sequence is identical to a human prothrombin amino acid sequence.

41. (Canceled)

42. (Currently Amended) The composition of Claim 40, wherein said human prothrombin protein polypeptide comprises a post-translational modification selected from the group consisting of glycosylation, γ -carboxylation and proteolytic processing.

43-55. (Canceled)

56. (Previously Presented) The composition of Claim 42, wherein said proteolytic processing comprises enzymatic cleavage selected from the group consisting of Factor Xa, Factor Va, venom protease, thrombin, and combinations thereof.

57. (Previously Presented) The composition of Claim 42, wherein said proteolytic processing comprises chemical activation selected from the group consisting of sodium citrate, protamine sulfate, polylysine, and combinations thereof.

58. (Previously Presented) The composition of Claim 42, wherein said proteolytic processing comprises, in combination, Factor Xa, Factor Va, calcium, and phospholipids.

59-60. (Canceled)

61. (Currently Amended) The composition of Claim 40, wherein said first amino acid sequence is 100% identical to said human prothrombin amino acid sequence, wherein upon activation said human prothrombin protein sequence is capable of being converted into thrombin.